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FILE 'EPFULL' ENTERED AT 11:01:20 ON 23 MAR 2009
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FILE 'USPATFULL' ENTERED AT 11:01:20 ON 23 MAR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 11:01:20 ON 23 MAR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:01:20 ON 23 MAR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

—>

=> s fluorine containing polymer# and aqueous dispersion#
5 FILES SEARCHED

5 FILES SEARCHED...
923 FILORINE CONTAINING POLYMER# AND AQUEOUS DISPERSION#

=> s 11 and 2-acyloxycarboxylic acid#
1,2,3,4,5,6,7,8,9,10,11 AND 2-ACYOXYCARBOXYLIC ACID#

→ d 13 1 3

ANSWER 1 OF 3 EREWULI COPYRIGHT 2009 EPO/EIB/KA/UNU on STN

AN 2004:80262 EPFULL EDP 20050323 ED 20050323 UP 20050323
DUDP 20050323 DUDW 200512

DUPD 20050323 DUPW 200512
TIEN METHOD FOR PRODUCING FLUORINE-CONTAINING
POLYMER, AQUEOUS DISPERSION OF
FLUORINE-CONTAINING POLYMER, 2-
ACYLOXYCARBOXYLIC ACID DERIVATIVE, AND SURFACE ACTIVE
AGENT.

TIFR PROCEDE DE PRODUCTION DE POLYMERES CONTENANT DU FLUOR, DISPERSION AQUEUSE DE POLYMERES CONTENANT DU FLUOR, DERIVE D'ACIDE 2-ACYLOXYCARBOXYLIQUE ET AGENT TENSIOACTIF.

IN TSUDA, Nobuhiko, Daikin Industries, Ltd., Yodogawa Plant., 1-1

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Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
YAMAMOTO, Yoshihiro, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
NANBA, Yoshinori, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
SAWADA, Yasuhiko, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
SHIMIZU, Tetsuo, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP

PA Daikin Industries, Ltd., Umeda Center Building, 4-12, Nakazaki-nishi
2-chome, Kita-ku, Osaka-shi, Osaka 530-8323, JP

PAN 605938

DT Patent

LAF Japanese

LA English

LAP English

TL English; French

PIT WO A1 International application published with search report

PI WO 2005007707 A1 20050127

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO
SE SI SK TR
EXTENSION STATES: AL HR LT LV MK

AI EP 2004-747679 A 20040716
WO 2004-JP10214 A 20040716

PRAI JP 2003-275581 A 20030716
JP 2003-275582 A 20030716

IC.VER 7

ICM C08F002-26

ICS C08L027-12; C08K005-10; C07C069-63

AN 2004:80262 EPFULL EDP 20050323 ED 20060602 UP 20090211
DUPD 20090211 DUPW 200907

TIEN METHOD FOR PRODUCING FLUORINE-CONTAINING
POLYMER, AQUEOUS DISPERSION OF
FLUORINE-CONTAINING POLYMER, 2-
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AGENT.

TIFR PROCEDE DE PRODUCTION DE POLYMERES CONTENANT DU FLUOR, DISPERSION AQUEUSE
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AGENT TENSIOACTIF.

TIDE VERFAHREN ZUR HERSTELLUNG VON FLUORHALTIGEM POLYMER, WAESSRIGE
DISPERSION VON FLUORHALTIGEM POLYMER, 2-ACYLOXYCARBONSAEUREDERIVAT UND
TENSID.

IN TSUDA, Nobuhiko, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
YAMAMOTO, Yoshihiro, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
NANBA, Yoshinori, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
SAWADA, Yasuhiko, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP;
SHIMIZU, Tetsuo, Daikin Industries, Ltd., Yodogawa Plant., 1-1
Nishihitotsuya, Settsu-shi, Osaka 566-8585, JP

PA DAIKIN INDUSTRIES, LTD., Umeda Center Building, 4-12, Nakazaki-nishi
2-chome, Kita-ku, Osaka-shi, Osaka 530-8323, JP

PAN 605938

AG HOFFMANN EITLE, Patent- und Rechtsanwaelte Arabellastrasse 4, 81925
Muenchen, DE

AGN 101511

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DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPA1 Application published with search report
PI EP 1661916 A1 20060531
WO 2005007707 20050127
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO
SE SI SK TR
AI EP 2004-747679 A 20040716
WO 2004-JP10214 A 20040716
PRAI JP 2003-275581 A 20030716
JP 2003-275582 A 20030716
IPCI C08F0002-26 [I,A]; C08L0027-12 [I,A]; C08K0005-10 [I,A];
C07C0069-63 [I,A]
C08F0002-12 [I,C*]; C08L0027-00 [I,C*]; C08K0005-00 [I,C*];
C07C0069-00 [I,C*]
L2 ANSWER 2 OF 3 PCTFULL COPYRIGHT 2009 Univentio on STN
AN 2005007707 PCTFULL ED 20050201 EW 200504
TIEN METHOD FOR PRODUCING FLUORINE-CONTAINING
POLYMER, AQUEOUS DISPERSION OF
FLUORINE-CONTAINING POLYMER, 2-
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DE POLYMERES CONTENANT DU FLUOR, DERIVE D'ACIDE 2-ACYLOXYCARBOXYLIQUE ET
AGENT TENSIOACTIF
IN TSUDA, Nobuhiko, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP];
YAMAMOTO, Yoshihiro, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP];
NANBA, Yoshinori, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP];
SAWADA, Yasuhiko, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP];
SHIMIZU, Tetsuo, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP]
PA DAIKIN INDUSTRIES, LTD., Umeda Center Building, 4-12, Nakazaki-Nishi
2-chome, Kita-ku, Osaka-Shi, Osaka 5308323, JP [JP, JP], for all
designates States except US;
TSUDA, Nobuhiko, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP], for US only;
YAMAMOTO, Yoshihiro, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP], for US only;
NANBA, Yoshinori, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP], for US only;
SAWADA, Yasuhiko, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP], for US only;

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SHIMIZU, Tetsuo, c/o Daikin Industries, Ltd.
Yodogawa Plant., 1-1, Nishihiotsuya, Settsu-shi, Osaka 5668585, JP [JP,
JP], for US only

AG YASUTOMI, Yasuo, Chuo Bldg. 4-20, Nishinakajima
5-chome, Yodogawa-ku, Osaka-shi, Osaka 5320011, JP

LAF Japanese

LA Japanese

DT Patent

PI WO 2005007707 A1 20050127

DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG
SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
W-U: AE AL AM AT AZ BG BR BY BZ CN CO CR CZ DE DK EC EE EG ES
FI GE HU KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK SL
TJ TR TT UA UG UZ YU
RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

PRAI JP 2003-2003-275581 20030716
JP 2003-2003-275582 20030716

AI WO 2004-JP10214 A 20040716

ICM C08F002-26

ICS C08L027-12; C08K005-10; C07C069-63

L2 ANSWER 3 OF 3 USPATFULL on STN
AN 2006:262408 USPATFULL

TI Method for producing fluorine-containing polymer, aqueous
dispersion of fluorine-containing
polymer, 2-acyloxycarboxylic acid
derivative, and surface active agent

IN Tsuda, Nobuhiko, Settsu-shi, JAPAN
Yamamoto, Yoshihiro, Settsu-shi, JAPAN
Nanba, Yoshinori, Settsu-shi, JAPAN
Sawada, Yasuhiko, Settsu-shi, JAPAN
Shimizu, Tetsuo, Settsu-shi, JAPAN

PA DAIKIN INDUSTRIES, LTD., Osaka, JAPAN (non-U.S. corporation)

PI US 20060223924 A1 20061005

AI US 2004-564642 A1 20040716 (10)
WO 2004-JP10214 20040716
20060113 PCT 371 date

PRAI JP 2003-275581 20030716
JP 2003-275582 20030716

DT Utility

FS APPLICATION

LN.CNT 1671

INCL INCLM: 524/300.000
INCLS: 524/773.000; 560/179.000

NCL NCLM: 524/300.000
NCLS: 524/773.000; 560/179.000

IC IPCI C08K0005-09 [I,A]; C08K0005-00 [I,C*]; C07C0069-66 [I,A];
C07C0069-00 [I,C*]
IPCR C08K0005-00 [I,C]; C08K0005-09 [I,A]; C07C0069-00 [I,C];
C07C0069-63 [I,A]; C07C0069-66 [I,A]; C08F0002-12 [I,C*];
C08F0002-26 [I,A]; C08F0014-00 [I,C*]; C08F0014-18 [I,A];

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C08F0020-00 [I,C*]; C08F0020-22 [I,A]; C08K0005-10 [N,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 11 and fluoropolymer#
L3 291 L1 AND FLUOROPOLYMER#

=> s 13 and carboxylate ester bond?
L4 2 L3 AND CARBOXYLATE ESTER BOND?

=> d 14 1-2

L4 ANSWER 1 OF 2 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2004:80262 EPFULL EDP 20050323 ED 20050323 UP 20050323
DUPD 20050323 DUPW 200512
TIEN METHOD FOR PRODUCING FLUORINE-CONTAINING
POLYMER, AQUEOUS DISPERSION OF
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PAN 605938

DT Patent

LAF Japanese

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TL English; French

PIT WOAI International application published with search report

PI WO 2005007707 A1 20050127

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO
SE SI SK TR

EXTENSION STATES: AL HR LT LV MK

AI EP 2004-747679 A 20040716
WO 2004-JP10214 A 20040716

PRAI JP 2003-275581 A 20030716
JP 2003-275582 A 20030716

IC.VER 7

ICM C08F002-26

ICS C08L027-12; C08K005-10; C07C069-63

AN 2004:80262 EPFULL EDP 20050323 ED 20060602 UP 20090211
DUPD 20090211 DUPW 200907

TIEN METHOD FOR PRODUCING FLUORINE-CONTAINING
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PA DAIKIN INDUSTRIES, LTD., Umeda Center Building, 4-12, Nakazaki-nishi
2-chome, Kita-ku, Osaka-shi, Osaka 530-8323, JP
PAN 605938
AG HOFFMANN EITLE, Patent- und Rechtsanwaelte Arabellastrasse 4, 81925
Muenchen, DE
AGN 101511
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPA1 Application published with search report
PI EP 1661916 A1 20060531
WO 2005007707 20050127
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO
SE SI SK TR
AI EP 2004-747679 A 20040716
WO 2004-JP10214 A 20040716
PRAI JP 2003-275581 A 20030716
JP 2003-275582 A 20030716
IPCI C08F0002-26 [I,A]; C08L0027-12 [I,A]; C08K0005-10 [I,A];
C07C0069-63 [I,A]
C08F0002-12 [I,C*]; C08L0027-00 [I,C*]; C08K0005-00 [I,C*];
C07C0069-00 [I,C*]
L4 ANSWER 2 OF 2 USPATFULL on STN
AN 2006:262408 USPATFULL
TI Method for producing fluorine-containing polymer, aqueous
dispersion of fluorine-containing
polymer, 2-acyloxy carboxylic acid derivative, and surface active
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IN Tsuda, Nobuhiko, Settsu-shi, JAPAN
Yamamoto, Yoshihiro, Settsu-shi, JAPAN
Nanba, Yoshinori, Settsu-shi, JAPAN
Sawada, Yasuhiko, Settsu-shi, JAPAN
Shimizu, Tetsuo, Settsu-shi, JAPAN
PA DAIKIN INDUSTRIES, LTD., Osaka, JAPAN (non-U.S. corporation)
PI US 20060223924 A1 20061005
AI US 2004-564642 A1 20040716 (10)
WO 2004-JP10214 20040716
20060113 PCT 371 date
PRAI JP 2003-275581 20030716

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JP 2003-275582 20030716
DT Utility
FS APPLICATION
LN.CNT 1671
INCL INCLM: 524/300.000
INCLS: 524/773.000; 560/179.000
NCL NCLM: 524/300.000
NCLS: 524/773.000; 560/179.000
IC IPCI C08K0005-09 [I,A]; C08K0005-00 [I,C*]; C07C0069-66 [I,A];
C07C0069-00 [I,C*]
IPCR C08K0005-00 [I,C]; C08K0005-09 [I,A]; C07C0069-00 [I,C];
C07C0069-63 [I,A]; C07C0069-66 [I,A]; C08F0002-12 [I,C*];
C08F0002-26 [I,A]; C08F0014-00 [I,C*]; C08F0014-18 [I,A];
C08F0020-00 [I,C*]; C08F0020-22 [I,A]; C08K0005-10 [N,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>